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physical logical redundant broadband commur  Advanced Scholar SearchScholar Articles and patents  - 2002 include citations  ☐ Create email alert

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Control and management in next-generation networks: challenges and opportunitiesAR Modarresi... - Communications Magazine, IEEE, 2002 - [ieeexplore.ieee.org](#)... cessing, **communication protocol** design, concu- rency control, failover strategy, platform **redundancy** and reliability ... much more functionality to satisfy the requirements of next-generation **broadband** data-centric ... Figure 3 shows both the **logical** and the imple- mentation views of ...[Cited by 82](#) - [Related articles](#) - [Bk Direct](#) - [All 3 versions](#)Multiprotocol adaptor for communication between CEBus devices and remote controllers over an ATM-based broadband access networkM Mostafa... - US Patent 5,949,779, 1999 - [Google Patents](#)... HFC MAC HFC MAC 10 BASET **PHYSICAL** LAYER 10 BASET **PHYSICAL** LAYER HFC ... CEBUS DEVICES AND REMOTE CONTROLLERS OVER AN ATM-BASED **BROADBAND** ACCESS NETWORK ... 16, 1997, pending, and entitled "CEBus Data **Link** Layer Proxy," which is fully ...[Cited by 37](#) - [Related articles](#) - [All 4 versions](#)Method and system for integration of several physical media for data communications between two computing systems in a manner transparent to layerJFP Fernandez, O Zamora, FMG Gmez... - US Patent ..., 2002 - [Google Patents](#)... tions which may be split through diverse communication links to increase the available bandwidth and/or the trans- mission **redundancy**. ... that integrates several communication paths for data transmis- sion and switches the data to the desired **physical** and **logical path** in a ...[Cited by 32](#) - [Related articles](#) - [All 2 versions](#)THESEUS terminal-access to broadband networks for European stock exchangesH Cruickshank, H Pan, Z Sun... - Electronics & ..., 2002 - [ieeexplore.ieee.org](#)... 0 it is a standard transport mechanism for **broadband** communications which has been adopted by ... The PAC (Central Access Point, in French) is the **communication protocol** used by the Paris ... The WAN **physical connection** varies from terrestrial leased lines to satellite channels. ...[Cited by 1](#) - [Related articles](#) - [Bk Direct](#) - [All 5 versions](#)Communication system architecture, apparatus and management and signalling method thereinCC Hayball... - US Patent 6,356,627, 2002 - [Google Patents](#)... physically sepa- rate but equivalent functional entities (in addition to built-in **redundancy** provisions), system ... The MSP EM 46 manages the MSP platform and its **physical** interfaces whilst operational data ... A **logical** exchange 50 can therefore be formed from all of the above. ...[Cited by 11](#) - [Related articles](#) - [All 2 versions](#)Use of active topology protocols, including the spanning tree, for resilient redundant connection of an edge deviceMJ Seaman... - US Patent App. 09/796,842, 2001 - [Google Patents](#)... 25, and "enter- prise" 2 66 and enterprise 3 67, are coupled to the secure MAN 60 by appropriate **physical** and **logical** interfaces. ... between the customer networks or devices, and the secure MAN support security processes for the MAN, and include **redundant** connections to ...[All 2 versions](#)The management paradigm shift: Challenges from element management to service managementS Erfani, VB Lawrence... - Bell Labs Technical Journal, 2000 - [Wiley Online Library](#)... The management layers are **logical**; they do not need to correlate with any **physical** implementation ... At the lower layers, activities affect **physical** resources; at the higher layers, they affect relatively abstract enti- ties ... The necessary fault tolerance and **redundancy** shall be provided ...[Cited by 14](#) - [Related articles](#) - [Bk Direct](#) - [All 4 versions](#)Method and apparatus using distributed intelligence for applying real time pricing and time of use rates in wide area network including a headend and subscriberGA Davis... - US Patent 6,167,389, 2000 - [Google Patents](#)... The gateway 40 has one WAN interface 405 corresponding to the WAN (eg, **broadband**, LLEO, RF, etc.) from which it communicates with the headend. ... Thus, another complete **physical** and **logical** WAN interface can be implemented without the need to change any other ...[Cited by 31](#) - [Related articles](#) - [All 2 versions](#)Point-to-multipoint virtual circuits for metropolitan area networksMJ Seaman, V Jain, G Jaszewski... - US Patent App. 09/..., 2001 - [Google Patents](#)... rings, equipment is pro- vided so that a **link** can comprise **logical** segments, each ... received by WDM (wavelength division multiplexing) equipment attached to the **physical** fiber segment ... The IEEE 802.1 Spanning Tree provides for **redundant** connections within a network, where ...[All 2 versions](#)[BOOK] Integrated management of networked systems: concepts, architectures, and their operational applicationHG Hegering, S Abeck... - 1999 - [books.google.com](#)... Network development. Fast networks are a prerequisite for highly transparent **link** networks between the function-dedicated compo- nents of a distributed cooperative supply structure. The development of transmission techniques, including protocol hierarchies and coupling[Cited by 153](#) - [Related articles](#) - [Library Search](#) - [All 4 versions](#)Method and apparatus for communicating information between a headend and subscriber over a wide area networkGA Davis... - US Patent 5,896,362, 1999 - [Google Patents](#)... Thus, another complete **physical** and **logical** WAN delivers ... mode, BBMAC 25 talkAddrFactory is always transmitted and allows BBMAC checks for transport cell integrity by performing cyclic 25 to verify that the gateway talkAddrFactory and talkAddr **redundancy** checking on ...[Cited by 52](#) - [Related articles](#) - [All 4 versions](#)A little inaccuracy sometimes saves tons of explanation HH Munro [Saki]

IP ATM, F Relay... - 1995 - Wiley Online Library

... Differing applications achieve this, and they include processor duplication and **redundant** media systems ... G.703 The CCITT standard for the **physical** and **logical** transmissions over a digital ... IEEE 802.5 A later **physical** LAN standard that uses the token passing access method on ...

[All 2 versions](#)

### Current status and future directions of software architectures for telecommunications

A Patel - Computer Communications, 2002 - Elsevier

... Unfortunately, this **redundancy** comes at the price of increased complexity. ... of a protocol stack, for instance the use of the Common Management Information Protocol (CMIP) at the application layer, and of an object-oriented view of the **physical** and **logical** resources in the ...

[Cited by 7](#) - [Related articles](#) - [All 4 versions](#)

### Expression and management of QoS in multimedia communication systems

W Tawbi... - Annals of telecommunications, 1994 - Springer

... two main categories of mul- timedia applications to use on the future **broadband** ISDN networks ... should offer the possibility of providing **physical** paths for the group communication, which is ... if this service is suitable for ATM networks, because it may introduce **redundant** functions ...

[Cited by 10](#) - [Related articles](#) - [Library Search](#) - [BL Direct](#) - [All 2 versions](#)

### A survey of communication protocol testing

R Lai - Journal of Systems and Software, 2002 - Elsevier

... doi:10.1016/S0164-1212(01)00132-7 | How to Cite or **Link** Using DOI Copyright © 2001 Elsevier ... This paper presents a literature survey of **communication protocol** testing ... However, the sequence generated may contain many **redundant** inputs which in turn generate loops in the ...

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### [PDF] Intelligent agents in network management, a state-of-the-art

[\[PDF\] from psu.edu](#)

MM Cheikhrouhou, P Conti... - Networking and Information ..., 1993 - Citeseer

... In addition to proper **redundant** design, network management has an indispensable role to play in ensuring high availability of its resources. ... about the **logical** structure of the VPN and its usage, while the provider agent knows both the **logical** and **physical** implementation of ...

[Cited by 29](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 5 versions](#)

### [PDF] Managing Virtual Circuit and Virtual Path Services on ATM Networks with Quality of Service Guarantees

[\[PDF\] from psu.edu](#)

N Anerousis - 1996 - Citeseer

... these networks will support. Future integrated networks will contain a very large number of **physical** and **logical** entities, services, and users to be managed and controlled. The fixed ... suffice in future **broadband** networks, the main limitation stemming from the complex in- ...

[Cited by 1](#) - [Related articles](#) - [View as HTML](#) - [Library Search](#) - [All 5 versions](#)

### Automatic power outage notification via CEBus interface

Z Ahmed, SM Fong, R Kumar... - US Patent 6,068,355, 2000 - Google Patents

... 12+1135 1150 10 BASET **PHYSICAL** LAYER ATM PVC OC3 LINE TC PMD HFC MAC HFC ... of a plurality of CEBus residential networks across a non-CEBus ATM- based **broadband** access network ... 3 is a diagram of the **logical** view of a communica- tion **path** between a UHMN ...

[Cited by 13](#) - [Related articles](#) - [All 2 versions](#)

### Modular RF communication module for automated home and vehicle systems

G Hsu - US Patent 6,374,079, 2002 - Google Patents

... Still others use move- ment and/or audio detectors or **physical** circuits, which when broken ... In another aspect of the present invention, a method for minimizing **redundancy** between distributed RF ... 8 is a process flow diagram illustrating **logical** steps for configuring a new sensor ...

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### [PDF] Data networks integration

[\[PDF\] from ulg.ac.be](#)

J De Praetere, P Maricaux... - BRITISH ..., 1996 - ulg.ac.be

... QoS support, enhanced multicast, MPOA support, LANE NNI (LNNI), multiple and **redundant** server elements ... The network establishes calls over virtual circuits, which are **logical** connections between the ... X.25 can support multiple virtual circuits over a single **physical** circuit, thus ...

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### The application of intelligent T1 multiplexers in hybrid and ISDN networks

JL Meis... - Technology for the 1990s and Beyond, ..., 2002 - ieeeexplore.ieee.org

... The customer-premises equipment normally has extensive **redundancy** features that permit it to ... utilize the SS#7 message transfer part protocol to transport **logical** circuit association ... 8. HYBRID NETWORKS BASED ON BISDN Future **Broadband** ISDN (BISDN) technology [6] - [8 ...

### [BOOK] Quality-of-service issues in networking environments

[\[PDF\] from psu.edu](#)

B Stiller - 1995 - Citeseer

... to overcome drawbacks of traditional communication architectures, such as **redundant** protocol func ... access and maintenance methods, is the ATM-based B-ISDN (**Broadband** Integrated Services ... They are used within a **communication protocol** and de ne certain internal details ...

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### [CITATION] An introduction to broadband networks: LANs, MANs, ATM, B-ISDN, and optical networks for integrated multimedia telecommunications

AS Acampora - 1994 - Springer

[Cited by 21](#) - [Related articles](#) - [Library Search](#) - [All 5 versions](#)

### Systems and methods for multiple voice data communication which includes interface cards including configurable clocks that are dynamically coupled to a TDS bus

SK Pickett... - US Patent 6,268,340, 2001 - Google Patents

... 352, 445, 370/438, 451, 458, 442, 503, 498, 401, 402, 423-5, 463, 489 (56) References Cited US PATENT DOCUMENTS 5,195,086 3/1993 Baumgartner et al 370/264 (List continued on next page.) OTHER PUBLICATIONS Black, ATM Foundation for **Broadband** Networks, pp ...

[Cited by 27](#) - [Related articles](#) - [All 2 versions](#)

### Local Area Networks With Fiber Optics

[\[PDF\] from dlsc.mil](#)

G Edwards... - 1991 - cal.dtic.mil

... onto the network. e. Session Layer The session layer provides the following services: " Establish, manage and terminate **connection** between cooperating applications ... DATA LINK LOGICAL LINK

CONTROL -- I MEDIUM ACCESS CONTROL **PHYSICAL PHYSICAL ...**

[All 5 versions](#)

**[BOOK] Newnes data communications pocket book**

MH Tooley ... - 2002 - books.google.com

... **link** control LMDS local multipoint distribution service LRC longitudinal **redundancy** check LSB ... scale integration LT line termination LTE line terminating equipment LU **logical** unit LWT ... public telecommunications operator PTT post, telegraph and telephone PU **physical** unit PUC ...

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**[PDF] Framework for a Link Layer Packet Filtering (LLPF) Security Protocol**

[\[PDF\] from nps.edu](#)

GG Damoca... - 1996 - edocs.nps.edu

... Co S Class of Service CPI Common Part Indicator CRC Cyclic **Redundancy** Check CS ... Union-Telecommunication Standard Section LAN Local Area Network LLC **Logical Link** Control LLPF **Link** ... security of an organization was focused on two major areas: **Physical** security and ...

[Related articles](#) - [Library Search](#) - [All 14 versions](#)

**Toward management systems for emerging hybrid fiber-coax access networks**

S Ramanathan... - Network, IEEE, 2002 - ieeexplore.ieee.org

... multiple services (eg, digital video, telephony, data services) over the same **physical** network from the ... To accommodate such services, the net- work design should support **redundancy**. ... the Second Level manager regards the coaxial portion as a single managed **logical** enti- ty ...

[Cited by 8](#) - [Related articles](#) - [Sci Direct](#) - [All 3 versions](#)

**[BOOK] Data communications principles**

RD Gtlin, JF Hayes... - 1992 - books.google.com

... development in the art and technology of data communications, and it reflects our experience as designers of techniques and systems for data communication over voice-grade and **broadband** channels. ... In the final analysis, all **physical** channels are analog and **physical** data vii ...

[Cited by 241](#) - [Related articles](#) - [Library Search](#) - [All 3 versions](#)

**Cost-effective placement of functionality in telecommunication system design**

DV Polymeros... - International Journal of ..., 1998 - interscience.wiley.com

... FE such that they are always placed together and are descendants of the same **logical** entity. ... will be cor- rected automatically in step 5, although it will cause **redundant** computations ... it may be ignored in implementations which need only the external interfaces of **physical** entities ...

[Related articles](#) - [Sci Direct](#) - [All 2 versions](#)

**Apparatus, method, system and system method for distributed routing in a multipoint communication system**

MW Patrick, DJ Picken... - US Patent 5,790,541, 1998 - Google Patents

... of a communication system, over channels having 6 MHz bandwidth in toe frequency having **logical** networks and ... Also for ease of reference, the and cyclic **redundancy** checks. ... Solomon encoder), for modulation and for channels may, of course, be the same **physical** channel or ...

[Cited by 68](#) - [Related articles](#) - [All 4 versions](#)

**A multi-agent system architecture for scalable management of high performance networks: Applying arms length autonomy**

R Evans, F Somers, D Kerr... - Software agents for future ..., 1999 - books.google.com

... indicated to it, then it will try to re-route any affected **logical** resources. ... Deliberative agents are based on Simon and Newell's **Physical** Symbol System (Newell and Simon, 1976 ... K. QML semantics result in **redundant** content being exchanged between agents in order to establish ...

[Cited by 5](#) - [Related articles](#)

**[PDF] Data Communication Systems in Nuclear Power Plants**

[\[PDF\] from ntnu.no](#)

GG Preckshot ... - ... Livermore Nat. Lab., Livermore, CA, Tech. ..., 1993 - itk.ntnu.no

... ISO **link** layer into the Medium Access Control (MAC) sublayer and the **Logical Link** Control (LLC ... as sixteen 6.144 Mbit/second data channels on a 100-MHz **physical** data **link** ... Error-detection schemes are based upon the transmission of **redundant** information and the detection of ...

[Cited by 1](#) - [Related articles](#)

**[PDF] A Parallel Approach to Integrated Multi-Gbit/s Communication over Multiwavelength Optical**

[\[PDF\] from psu.edu](#)

A Popescu - 1994 - Citeseer

... **Physical Layer Physical** Medium **Logical Link** Control Datalink Layer Page 13. 4 ... its set by classical TDM. The electro-optic and processing bottlenecks at the **Physical** Layer (PHY), ... the same data stream. Large packet/cell sizes are not advantageous for carrying mixed **broadband** ...

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**Link discovery, verification, and failure isolation in an optical communication system**

GA Gerstai, H Raza, R Ramaswami... - US Patent App. 10/, ..., 2002 - Google Patents

... 15,2004 (54) **LINK** DISCOVERY, VERIFICATION, AND FAILURE ISOLATION IN AN OPTICAL COMMUNICATION SYSTEM (76) Inventors: Oman A. Gerstai, Los Altos, CA (US); Humair Raza, Sunnyvale, CA (US); Rajiv Ramaswami, Sunnyvale, CA (US); Babu O. Narayanan ...

[All 2 versions](#)

**[PDF] First Year Report**

[\[PDF\] from psu.edu](#)

T Uzuner - 2002 - Citeseer

... it uses, its processing power, and the complexity of the inter port-processor **communication** **protocol**. ... Demeester 99]: contention between different layers • [Crochat 00]: heuristic algorithm for **logical** topologies on ... functions placed at low levels of a system may be **redundant** or of ...

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**[BOOK] Charging communication networks: from theory to practice**

DJ Songhurst - 1999 - books.google.com

... multiservice networks the full bandwidth does not need to be reserved for the whole duration of the **connection**, but is ... Since in **broadband** networks there will be a large number of connections carrying bursty traffic which share network resources (**link** bandwidth and ...

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**Final Report for the Protocol Extensions for ATM Security Laboratory Directed Research and Development Project**

TD Terman, LG Pierson... - 1996 - oti.gov

... in the ATM cell header CPU Central Processing Unit CRC Cyclic **Redundancy** Check — a ... that specifies peer-to- peer communications and packet formats on a **logical** subnetwork LRS ... It requires separate keys for each **physical link** between network nodes (ie protocol processor ...

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#### [BOOK] Data and computer communications: networking and internetworking

GS Hura... - 2001 - books.google.com

... 199 5.8 Typical **broadband** LAN configuration 200 5.8.1 Components of **broadband** LANs 200 ... interconnection-reference model (OSI-RM) and LAN standards 248 7.2.2.1 **Physical** layer 249 ... 8.1.1 IEEE 802.1 high-level interface (HLI) 301 8.1.2 IEEE 802.2 **logical link** control (LLC) ...

[Cited by 3](#) - [Related articles](#) - [Library Search](#) - [All 3 versions](#)

#### Communication server apparatus and method

JF McIsaac, RH LOCKLEAR... - US Patent App. 09/005,504, 1998 - Google Patents

... NON-DEDICATED DATA LINE ( START LOAD ACTIVITY TABLE OF VALID SUBSCRIBERS SELECT FIRST ACTIVE NON-DEDICATED DATA LINE RETRIEVE TIMEOUT STATUS FROM DETECTOR YES COMMUNICATE STATUS OR **CONNECTION** INFORMATION TO ...

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#### Counterfeit STB prevention through protocol switching

K Hoang... - US Patent App. 09/892,015, 2001 - Google Patents

... understood that other embodiments may be utilized and that structural, **logical**, and electrical ... order to prevent coun- terfeit STBs using an earlier **communication protocol** from deciphering ... 2003 one embodiment the authenticity checker performs a cyclic **redundancy** check (CRC) ...

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#### [PDF] MULTIAGENT SYSTEMS

Y Hu - 2000 - Citeseer

... Focusing attention on the **logical** level will aid this push and also provide the mechanism for ... is acknowledged by its adoption into the FIPA (Foundation for Intelligent **Physical** Agents) specifications ... Of course this technique may lead to **redundancy** and mean that control may be ...

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#### [BOOK] Network communications technology

A Elahi - 2001 - books.google.com

... Gigabit Ethernet 182 13.3 Gigabit Ethernet Protocol Architecture 182 13.4 MAC and **Physical** Layer Architecture ... Ring topology The disadvantages of ring topology are as follows: • If a **link** or a ... CHAPTER 1 Bus Topology A bus network is a multi-point **connection** in which stations ...

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#### [BOOK] Telecom operations management solutions with NetExpert

K Terplan - 1998 - books.google.com

... The North Carolina Information Highway 299 Part V Management of **Broadband** Services 321 19 Telco Mass-Market **Broadband** Solutions 323 20 ... service • service provisioning refers to a chain of activities based on service orders until all **physical** and **logical** resources are ...

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#### Systems and methods for multiple mode voice and data communications using intelligently bridged TDM and packet buses and methods for performing telephony and ...

GE Pounds, CA Trees... - US Patent 6,400,711, 2002 - Google Patents

... A 12/1995 12/1995 7/1996 7/1996 8/1996 Boaz et al 709/206 Penzias 379/67 379/88 DeJager et al 370/352 Pinard et al 379/201 370/376 Boal et al 370/395 (List continued on next page.) OTHER PUBLICATIONS Black, ATM Foundation For **Broadband** Networks, pp ...

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#### [PDF] Peer-to-peer computing

DS Mitroic, V Kalogeraki, P Lukose, K Nagaraja... - 2002 - Citeseer

... discon- nected operation AOL Chat, Groove parasitic NW new NWs: wireless, **broadband** improved communication ... where members come and go based perhaps on their current **physical** location or ... rely on es- tablished infrastructure — they build their own, eg, **logical** overlay in ...

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#### [BOOK] 802.11 demystified

J LaRocca... - 2002 - books.google.com

... Packet Data CMOS—Complementary metal oxide semiconductor CRC—cyclic **redundancy** code CS ... thousand cycles per second) LAN—Local area network LLC—**Logical Link** Control LMDS ... Memory Card International Assoc PDU—Protocol data unit PHY—**Physical** (layer) PIFS ...

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#### [BOOK] Hack proofing your wireless network

C Barnes, E Quellet... - 2002 - books.google.com

... He currently provides strategic direction and architectural design to Lucent **Service Provider** and Large Enterprise cus- tomers. ... a High-Level Topology 173 Creating a Collocation Architecture 174 Defining the High-Level Services 174 Creating a High-Level **Physical** Design 175 ...

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#### Energy-efficient wireless communication

PJM Havinga - 2000 - doc.utwente.nl

... Data **link** protocols are usually divided into two main functional components: the **Logical Link** Control (LLC) and the Medium Access Control (MAC), that are responsible for providing a point-to-point packet transfer service ... At the radio **physical** level **redundancy** for detecting ...

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#### System and method for measuring and enhancing the quality of voice communication over packet-based networks

GA Amine - US Patent App. 10/005,485, 2001 - Google Patents

... A user can select a **service provider**, but not a particular packet routing **path**. ... application software, developed in the C program- ming language, provides the **logical** control for ... communication in a packet-based network and for analyzing adherence to a **communication protocol**. ...

[All 2 versions](#)

#### [CITATION] A Wireless-LAN Configuration and Access Control Utility

T Abrahamsson, P Lytkberg, J Gribbe, M Sandell... - 2002

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### System and method for providing interactivity for end-users over digital broadcast channels

R Oz... - US Patent App. 09/993,980, 2001 - Google Patents

Page 1. US 20020059638A1 (19) United States (12) Patent Application Publication  
(10) Pub. NO.: US 2002/0059638 A1 Oz et al. (43) Pub. Date: May 16, 2002 (54)  
SYSTEM AND METHOD FOR PROVIDING INTERACTIVITY ...

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### Systems and methods for multiple mode voice and data communications using intelligently bridged

#### TDM and packet buses and methods for performing telephony and ...

E Weitz - US Patent 6,445,682, 2002 - Google Patents

... 1993 Baumgartner et al. 7/1994 Boaz et al 370/264 709/206 (List continued on next page.) OTHER PUBLICATIONS Black, ATM Foundation For **Broadband** Networks, pp: 137-152, 170-173. Stallings, William, SNMP, SNMPv2 ...

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### [BOOK] Metropolitan area networks

MNO Sadiku - 1994 - books.google.com

... The first type is a **broadband** nonisochronous service over a metropolitan area. ... **Logical Link** Control Media Access Control and **Physical** Layer Data **Link** Layer **Physical** Layer MAN Protocols OSI Protocols ... MAC 2 MAC 1"~\ "MAC 2 **Physical** 1 **Physical** 1 **Physical** 2 **Physical** 2 r ...

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### [PDF] Software agents in communications network management: An overview

[\[PDF\] from psu.edu](#)

Al.G Hayzelden... - Knowledge Engineering Review Journal, 1999 - Citeseer

... The introduction of **broadband** technologies and the expertise realised from the computing industry ... Focusing attention on the **logical** level will aid this push and also provide ... is acknowledged by its adoption into the FIPA (Foundation for Intelligent **Physical** Agents) specifications ...

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### Software Agents

Al.G Hayzelden, J Bigham... - Software agents for ..., 1999 - books.google.com

... Focusing attention on the **logical** level will aid this push and also provide the mechanism ... have severe impacts on the efficiency of the bandwidth utilization of the **physical** communications system. ... highly dynamic real-time environments at least part of the plan is **redundant** by the ...

[Related articles](#)

### Distributed multimedia systems

[\[PDF\] from psu.edu](#)

VOK L... - Proceedings of the IEEE, 2002 - ieeexplore.ieee.org

... enhance the existing CD-ROM-based multimedia applications but also encourage newly emerging **broad-band** applications at the ... also known as data compression, reduces the size by throwing away the spatial **redundancy** within the ... the **physical** viewing area of the monitor. ...

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### [BOOK] Integrated computer network systems

F Weich - 1992 - books.google.com

... 7.4.2.1 Station Management 193 7.4.2.2 Slot Time 193 7.4.2.3 **Logical** Ring Establishment ... 196 7.4.2.6 Synchronous Data Transmission Value 197 7.4.3 IEEE 802.4 **Broadband** Implementation 197 ... 200 7.5.2 IEEE 802.3 MAC/**Physical** Layer Implementations 201 7.6 CCITT X.25 ...

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### [BOOK] Glosarium teknologi informasi

T Dutton... - 2002 - books.google.com

Page 1. Yayasan Obor Indonesia Page 2. \ Page 3. GLOSARIUM TEKNOLOGIINFORMASI This Ot QLE6-FU8-9WRN Page 4. Page 5. Seri Glosarium GL 008 GLOSARIUM TEKNOLOGIINFORMASI Penyunting: Titon Dutton Ellya ...

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### Method and system for determining filter gain and automatic gain control

VS Nayak - US Patent App. 10/161,618, 2002 - Google Patents

... are many implementations of the basic scheme, differing in the **communication protocol** used and ... to Global System for Mobile commu- nications (GSM) basestations, to **broadband** integrated access ... and the perception of on/off transmission rather than a continuous **connection**. ...

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### Method and system for implementing a gaussian white noise generator for real time speech synthesis applications

M Randmaa... - US Patent App. 10/161,621, 2002 - Google Patents

... are many implementations of the basic scheme, differing in the **communication protocol** used and ... to Global System for Mobile commu- nications (GSM) basestations, to **broadband** integrated access ... and the perception of on/off transmission rather than a continuous **connection**. ...

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### [PDF] IB

[\[PDF\] from tue.nl](#)

E Bormans - 1993 - alexandria.tue.nl

... appendix E), which is used to develop the MMS interface2 • At the **physical** layer and ... Within the IEEE **broadband** frequency spectrum, these frequency ranges use two 6 MHz cable ... software is downloaded into the controllers' RAMs and takes care of the **Logical Link** Control (LLC ...

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### [PDF] Deliverable 2.1

[\[PDF\] from psu.edu](#)

JY Chiaramella, M Becker... - 1999 - Citeseer

... **Broadband** Integrated Satellite Network Traffic Evaluations ... In **physical** topology, it is very similar to 10 Base-T. However, with the use of optic cables, it is possible to ... All hubs in the same stack become part of one **logical** repeater, and the stack is counted as only one Class I or ...

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### [BOOK] Middleware networks: concept, design, and deployment of Internet infrastructure

M Lerner - 2000 - books.google.com

... 324 9.5.2 **Broadband** Network Reference Implementation of PIN 324 9.5.3 Distributed Network ... 4-4: Communicating Proxies Architecture 117 Figure 4-5: Multiple Machines Sharing Single **Link** 118 Figure ... Composed of Three Gates and One Core 136 Figure 5-6: **Logical** View of ...

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**Method and system for implementing a low complexity spectrum estimation technique for comfort noise generation**

V Nayak - US Patent App. 10/161,687, 2002 - Google Patents

... are many implementations of the basic scheme, differing in the **communication protocol** used and ... to Global System for Mobile commu- nications (GSM) basestations, to **broadband** integrated access ... and the perception of on/off transmission rather than a continuous **connection**. ...

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**[BOOK] Trading services in open distributed environments**

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L Kutvonen - 1998 - Citeseer

... Having a local and independent **service provider** at each domain guarantees locally the continuity of service. ... The trading mechanism allows advertising of available services, service providers, and their interface properties, and supports retrieval of **service provider** in- formation. ...

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**[PDF] A CORBA-based Interface-centric Approach to Signaling for IP-based Telephony Services**

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T Lu - 2001 - Citeseer

... LAN Local Area Network LCSE **Logical** Channel Signaling Entity ... RTP Real-Time Transport Protocol SCCP Signaling **Connection** Control Part ... details of the infrastructure, ie, the exchanged messages, **communication protocol**, operating system, or hardware [Mitra1999a]. ...

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**[BOOK] Hack proofing your wireless network**

T Baultis - C Barnes, E Ouellet... - 2002 - books.google.com

... He currently provides strategic direction and architectural design to Lucent **Service Provider** and Large Enterprise cus- tomers. ... a High-Level Topology 173 Creating a Collocation Architecture 174 Defining the High-Level Services 174 Creating a High-Level **Physical** Design 175 ...

**[PS] CITR TECHNICAL JOURNAL VOLUME**

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EBYDG Chen - 1998 - chapelhill.homeip.net

... **Service Provider** Workforce Network Management ... Recently, management platform features have been extended to support a standard Application Program Interface (for example X/ Open XOM&XMP API) and provide automatic **connection** management and location ...

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**[PDF] Entering the next generation telecom market DISCMAN--Differentiated Services--Network Configuration and Management**

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P Castelli, M Bartoli, B Varga, C Gerzi, I Svinnet... - 2001 - Citeseer

... 4 is devoted to analyse and suggest possible **path** recovery strategies that can be used to enhance network reliability and resilience; it focuses on the problem of **logical path** recovery and ... A back-up **path** may also be required, giving rise to two separate classes (3a and 3b). ... **Link** ...

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**[BOOK] The essential guide to computer data storage: from floppy to DVD**

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A Khurshudov - 2001 - books.google.com

... Manufacturers 91 HDD Technology 92 Basic Drive Design 94 **Physical** Drive Dimensions ... Contents xv INTERNET SPEED AND CONNECTIONS 265 Modems 265 **Broadband** Internet: xDSL 267 ... Storage Area Network) 281 SAN versus NAS 283 RAID (**REDUNDANT** ARRAY OF ...

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**Method for organizing multiple versions of XML for use in a contact center environment**

G Bondarenko ... - US Patent App. 10/335,637, 2002 - Google Patents

... 29,2004 Sheet 6 of 13 US 2004/0083479 A1 Client Side Server Side 601 Client connects to V the server J 603 Client sends a request 605 Client processes the response 607 Client disconnects from the server 602 Server accepts client **connection** Server processes the request ...

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**Digital production services architecture**

TA Abrams... - US Patent App. 10/206,579, 2002 - Google Patents

... layer. For example, functions and/or methods in an exemplary archi- tecture optionally overlap between layers to provide a greater degree of flexibility and **redundancy** from both an implementation and operation perspective. ...

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**[BOOK] Ad hoc networking-technology and trends: trend report 2002/2001**

A Buttermann - 2001 - books.google.com

... Further developments in HomeRF technology will enable a whole new class of applications, including cordless telephony and data interaction, streaming music and video, and **broadband** wireless Internet ... AnyPoint connects PCs and laptops on a **physical** and **logical** level. ...

[Related articles](#) - [Library Search](#)

**[PDF] of Deliverable: Approach to Dynamic Total Quality Management**

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C Don Cochrane, N Panagiotis Demestichas... - Information ... , 1994 - Citeseer

... All are closed loop; that is, there is a clear **path** for feeding back ... **Communication protocol** ODA G3, G4 CGM ODA extension (H.261) ... At the bottom of the stack one can find the Network Level, which represents the communications infrastructure of a **broadband** network. ...

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**[BOOK] Information technology encyclopedia and acronyms**

E Najan - 2002 - books.google.com

... 10Broad36 - 10 Mbps **Broadband** 36 MHz. ... Name Cabling Maximum segment distance 10Base2 thin coaxial 10Base5 thick coaxial 10BaseF fiber cable 2000 m 10BaseFB 10BaseFL fiber cable fiber cable 2000 m + extra segments 2000 m + **link** 10BaseFP fiber cable 500 m ...

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**[PDF] Charging Requirements for UMTS Packet-Switched Data Services**

[\[PDF\] from psu.edu](#)

T Oyedele - 2001 - Citeseer

... The TS was divided into 12 aspects including Service Aspects, Network Aspects, **Physical** Layer in the Radio **Path**, Audio Aspects etc ... Terminal Equipment/Mobile Station (TE/MS) and cover only the lower three layers of the OSI model ie the **Physical** layer, the **Link** layer and ...

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**[BOOK] Management of multimedia on the internet: 5th IFIP/IEEE International Conference on Management of Multimedia Networks and Services, MMNS 2002, Santa ...**

KC Almeroth... - 2002 - books.google.com

... 3.1 **Link** Emulator The testbed that we implement uses the wired Ethernet LAN in the lab, as the **physical** communication medium. ... point **Link** suit httder **Link** type sub TLV Local interface IP a\*JreX sub TLV ilahfc bandwidth sub TLV **Link** dclay sub TLV ... **path** that a **connection** uses. ...

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**Digital production services architecture**

AA Thomas Jr... - US Patent App. 20.030/ ... - 2002 - freepatentsonline.com

... [0057] **Logical** connections shown ... the S/A layer 420 , and/or other layers, are optionally exposed on a network through a **communication protocol**, described with ... According to this example, failover to original VAM/VTR copy is automatic via **redundant** locator data if SAN or DAM ...

[Cached](#)

**[CITATION] Cisco AVVID and IP telephony: design & implementation**

R Padjen, M Walshaw, S Thurston... - 2002 - Syngress Media inc

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**Open Source Tools: Applications and Implications**

MO Stull... - 2000 - cal.dtic.mil

... Spoofing also involves trying to hijack a session from another legitimate **connection**. TCP uses the Sequence Number to keep track of an open communication session. ... The solution is for the source Internet **Service Provider** (ISP) stop fake packets from leaving its site. ...

[All 7 versions](#)

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**[BOOK] NetLingo: the Internet dictionary**

E Jansen... - 2002 - books.google.com

... and are always there for me, and God, for guiding me down this **path** and giving me ... you've got the NetLingo.com Web site, which gives you a direct **link** to resources like ... In computer programming, "&" represents a "**logical and**" and two ampersands are used in the programming ...

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**[PDF] Data communications via cable television networks: technical and policy considerations**

DL Finn - 1993 - dspace.mit.edu

... content is provided by the users independently of the communication **service provider**; users being ... facilities, **connection** of airline reservation terminals to centralized data base facilities. ... 3. Brown University in Rhode Island uses a **broadband** cable television network to ...

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[\[PDF\] from mit.edu](#)

**[PDF] NR Norsk Regnesentral**

PD Holmes, L Aarhus, JR Sandbækken, A Frøyhaug... - 1998 - Citeseer

... investigate how mobile workers shall gain access to DnV's intranet • develop a plug-and-play solution for network **connection** • adjust/modify applications to different net solutions • develop security solutions and security strategies for network connections for mo- bile workers. ...

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**[BOOK] SOHO Networking: A Guide to Installing a Small-office/home-office Network**

P Moulton - 2002 - books.google.com

... Hubs 43 Switches 48 Cable/DSL Modem Routers 51 Servers 53 **Redundant** Array of independent ... SOHO LANs Defined standing this **logical** organization helps when configuring a Windows SOHO LAN ... network transmission load could easily overload a DSL or cable modem **link**. ...

[Library Search](#)

**System Resource Management for Distributed Real-Time Systems.**

M Davis, EI Kiseen, LC Schreier, AR Downing... - 1995 - cal.dtic.mil

... objects (eg, the correlation or weapon assignment objects of a C2 application); and the admission control and resource allocation decisions for **connection**- oriented applications ... In addition to providing control over a resource, the **logical** and **physical** resource management ...

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[\[PDF\] from dtic.mil](#)

**[PS] Peer-to-Peer Computing**

DS MILOJIKOVIĆ, V KALOGERAKI, R LUKOSE... - 2002 - ic.unicamp.br

... discon- nected operation AOL Chat, Groove parasitic NW new NWs: wireless, **broadband** improved communication ... where members come and go based perhaps on their current **physical** location or ... rely on es- tablished infrastructure — they build their own, eg, **logical** overlay in ...

[Related articles](#)

[\[PS\] from unicamp.br](#)

**[PDF] Reference models for networked applications**

FPM Siemans, R Brussee, ME Jacob... - Telematica Instituut, ... - 2001 - doc.freeband.nl

... typically by focussing on what systems should do rather than on their **physical** constitution or ... or redundant functionality is included that would distract the user and forcing **redundant** knowledge and ... A function is a **logical** grouping of behaviour, with well-defined input and output ...

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[\[PDF\] from freeband.nl](#)

**[PDF] Survey of state of the art**

Y El Khadib, Y Liu, M Pasin, J Wu, Y Yang... - Cluster ... - 2002 - ec-gin.eu

... for errors contained herein or direct, indirect, special, incidental or consequential damages in **connection** with the ... system, it is likely that more than one data transfer traverses a **link** at a ... Most applications use TCP as a **communication protocol**, and a Grid file transfer should not ...

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**[PDF] Internet User Access via Dial-up and Campus**

RR Hutchins - 2001 - smartech.gatech.edu

... immediate problems. The requirement for **broadband** access (defined here to be two to ten megabits per ... many layers of the OSI reference model as defined below: • **physical** layer (L1) - the flexibility of wireless, both radio frequency (RF) and ... there is only one **logical** LES. ...

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**Massively distributed processing system with modular client agent and associated method**

EA Hubbard, K Venkatramani... - US Patent App. 10/ ... - 2002 - Google Patents

... Unlike a small local network environment, for example, as may be used by an Internet **Service Provider** (ISP), which may include less than 100 interconnected computers systems to perform

the tasks required by the ISP, the present inven- tion preferably utilizes a multitude of ...

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**[PDF] Distributed Real-Time Systems: A Design Environment**

[\[PDF\] from psu.edu](#)

A Merabti - 1992 - Citeseer

... Another approach is to prototype the application using some specialised real-time constructs for fast evaluation [Luqi,88]. A slightly different **path** was taken by the developers of Mascot [Simpson,86], which provides a design method based on a form of ...

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**[BOOK] Pulse code modulation techniques: with applications in communications and data recording**

B Waggener - 1995 - books.google.com

... 722 SYSTEM DESIGN CONSIDERATIONS 728 TELECOMMUNICATIONS MULTIPLEXING 130 SONET 734 **BROADBAND** ISDN 737 ... A million **logical** switches, or more, can fit into one mechanical relay case ... of seven layers beginning at the lowest layer, the **physical** layer, and ...

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**[BOOK] Computer telephony encyclopedia**

R Grigoris - 2000 - books.google.com

... Indeed, Burke's unique tangled, yet slap-dash, almost picaresque version of history reminds me of the convoluted **path** that led me ... random areas that had no sig- nificance or connectedness other than that they caught my fancy: Cultural and **physical** anthropology, archaeology ...

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**[CITATION] Building energy management systems: applications to low-energy HVAC and natural ventilation control**

GJ Levermore - 2000 - Taylor & Francis

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**[PDF] Enterprise Software System Integration**

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P Johnson - 2002 - Citeseer

... prime example. A computing machine is an approximation of a model that per se has no **link** to the natural world. It ... science [Sea99]. Further complicating the picture is the obvious **link** to engineering and engineering methodology. When ...

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**[DOC] Next Generation Television**

[\[DOC\] from novay.nl](#)

H Van Vliet... - 2001 - doc.novay.nl

... are based on analogue signal transmission, making it more or less a '**redundant**' technology in ... the digital signal more data can be transmitted through a certain **physical** transmission medium ... On receiving the digital **broadband** signal first a single signal is isolated from the stream ...

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physical logical redundant broadband

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